

D. Remarks

Based on the amendments and remarks to follow, reconsideration of this application is respectfully requested.

In this Office action, claims 15 and 19 are objected to because of the informalities of a semicolon and a period. Further, the specification is objected to, since it fails to provide antecedent basis for the term "computer usable medium". Claims 10-14 and claims 19-20 are rejected under 35 U.S.C. 112 as being indefinite to particularly point out and distinctly claim the subject matter. Claims 10-20 are rejected under 35 U.S.C. 101, since the claimed invention is directed to non-statutory subject matter. Furthermore, claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent application publication no. 20050138557 A1 assigned to Bolder, et al (hereinafter referred to as "Bolder") and in view of U.S. patent no. 7, 113, 989 assigned to Murray, et al (hereinafter referred to as "Murray").

In response to the rejections and objections cited above, claims 3, 6, 9, 13 and 18 have been cancelled without any prejudice or disclaimer. Further, claims 1-2, 4-5, 7-8, 10-12, 14-17, and 19-20 have been amended. Furthermore, the specification has been amended. A paragraph has been added to the specification, which is based on the recitation of claim 15 as filed. Since the original claims form a part of the specification, this added paragraph does not constitute new matter.

Claims 10 and 19 have been amended to overcome the rejections under 35 U.S.C. 101. As amended, claims 10 and 19 recite a system embodied on one or more processing machines in a computer network. It is respectfully submitted that the system embodied on one or more processing machines defines structural and functional inter-relationships between the system and the processing machines (i.e. is "hardware"), and is therefore, statutory. It is respectfully submitted that the amendments made to claims 10 and 19 are sufficient to remove the rejections under 35 U.S.C. 101.

Descriptions and Differences of the Claims from the Cited Art:

To more clearly define and distinctly claim the present invention from the cited art, and to particularly point out and distinctly claim the subject matter, independent claim 1 has been amended.

Claim 1 of the present invention recites a method for capturing the administrative processes to achieve different objectives in a networked environment. In contrast, Bolder discloses a method for configuring managed entities in a network by employing CLI script templates. The purpose of capturing the administrative processes in the present invention is to perform administration in the network, whereas configuring the managed entities, as disclosed in Bolder, is not for performing administration in the network. Further, Bolder discloses a script management system that is required to generate entity specific commands by performing operations on the CLI script templates. In contrast, the present invention does not require any system for generating commands from the administrative processes because the administrative processes include the administrative commands. Therefore, the process of capturing the administrative processes, as recited in amended claim 1 of the present invention, is not the same as configuring the managed entity, as disclosed in Bolder.

As set forth in the preamble of independent claim 1, administrative processes are captured in a machine-readable format. The administrative processes include administrative tasks, and the administrative tasks further include administrative commands. The administrative processes are implemented by an administrator to achieve different objectives in a networked environment. Support for these recitations is found in the present application on page 6, lines 2-10; and page 7, lines 5-12.

Clause (a) of independent claim 1 recites the step of creating a generic command framework in a machine-readable format to capture administrative commands. The administrative commands are captured by capturing structures of all the administrative commands. Further, the administrative commands are captured by writing all the administrative commands in accordance with the generic command framework. Support

for these recitations is found in the present application on page 4, lines 9-12; page 7, lines 18-24; page 14, lines 1-4; and page 20, lines 6-7.

In contrast, Murray discloses a framework, coded in a generic fashion, adapted to load at run-time grammar files. Further, the framework in Murray is not used to capture structures, whereas the framework in claim 1, clause (a) of the present invention is used to capture the structures of the administrative commands. In the present invention, capturing the administrative commands in the generic command framework is performed with an objective of writing the administrative commands in accordance with the generic command framework, which is different from loading the grammar files, as disclosed in Murray. As disclosed in Murray, the purpose of loading the run-time grammar files is to configure a data network entity. In contrast, the purpose of capturing the administrative commands in the present invention is to perform the administrative tasks (support for this recitation is found in the present application on page 4, lines 22-25). Therefore, the CLI framework, as disclosed in Murray, is not the same as the framework described in the present invention.

Clause (b) of independent claim 1 recites the step of generating profiles that define administrative tasks. The profiles are generated by combining all the captured administrative commands in a machine-readable format. Therefore, the profiles include all the captured administrative commands that define an administrative task. Further, the administrative commands are executed to accomplish the administrative task. Support for these recitations is found in the present application on page 9, lines 14-18.

In contrast, Bolder discloses a script template that is used to configure a managed entity in the network. The script template in Bolder does not define the actual commands or CLI commands. The profile in the present invention is a collection of administrative commands, i.e., the profile defines the administrative commands that are used to execute administrative tasks (support for this recitation is found in the present application on page 9, lines 14-18). Further, the script template, as disclosed in Bolder, needs to undergo transformation to generate the actual commands from the script template. In contrast, the profile in the present invention does not require to undergo any

kind of transformation to generate actual commands because the profile already includes the administrative commands. As disclosed, the script template in Bolder undergoes transformation, which implies that the script template is dynamic in nature, whereas the profile, as described in the present invention, does not undergo transformation, which implies that the profile is static in nature.

As disclosed in Bolder, the script template requires a dependency table or data sources to transform the script template into commands. In contrast, the profile in the present invention does not undergo any kind of transformation to generate commands. Therefore, the profile does not require a dependency table or any data source. Moreover, the script template, as disclosed in Bolder, requires one or more data sources or the dependency table for transformation. This makes the script template dependent on data sources. In contrast, the profile does not undergo any transformation to generate commands and the profile is independent of any data source. Therefore, the script template, as disclosed in Bolder, is different from the profile described in the present invention.

Clause (c) of independent claim 1 recites a step of generating network maps. The network maps include information about one or more servers present in the networked environment. On the one or more of these servers, the administrative tasks defined by the profiles need to be performed. Support for these recitations is found in the present application on page 4, lines 14-16; page 9, lines 19-23; and page 16, lines 6-8.

In contrast, as disclosed in Bolder, the network map is generated by using a Network Management System (NMS) present in the networked environment. The network map, as disclosed in Bolder, requires an NMS to generate information about one or more servers for the script template. In contrast, the network map in the present invention is generated without using an NMS or any data source present in the networked environment. Further, the network map in the present invention does not require an NMS to generate the information for the profile because the network map already includes the details of the one or more servers on which the administrative tasks need to be executed. Therefore, the process for generating the network map, as

disclosed in Bolder, is not the same as the process for generating the network map, as described in the present invention.

Clause (d) of independent claim 1 recites the step of generating admin lists. The admin lists are generated by combining one or more profiles that define the administrative tasks. The administrative tasks further constitute an administrative process. The admin lists include a pre-defined order in which the administrative tasks need to be executed. The admin lists capture the administrative process in a machine-readable format, enabling the processing machine to automatically execute the administrative process. Support for these recitations is found in the present application on page 4, lines 15-18 and lines 22-24; page 9, lines 24-29; page 10, lines 1-4; and page 16, lines 10-16.

In contrast, Bolder discloses an apply list, which is a collection of script templates. As described in the remarks above, the script template, as described in Bolder, is different from the profile described in the present invention. Therefore, the admin list, as described in the present invention, is different from the apply list of Bolder.

The admin list, as described in the present invention, includes the pre-defined order in which the administrative tasks need to be executed. In contrast, Bolder does not disclose the order in which the configuration tasks, as defined by the script template, need to be performed. However, Bolder discloses the order in which the CLI commands are executed.

It is therefore respectfully submitted that it is not obvious to one skilled in the art to capture administrative processes in the machine-readable format for achieving different objectives in a networked environment. In light of the above, it is respectfully highlighted that independent claim 1 has steps that are neither anticipated nor rendered obvious in view of Bolder and further in view of Murray. Therefore, reconsideration of independent claim 1 is respectfully requested.

Claim 2 has been amended to include zero or more network maps in the admin list and associations between the profiles and the network maps. The admin list, as

described in the present invention, includes the network maps and details of the associations between the profiles and the network maps. In contrast, the apply list in Bolder does not include the network maps and details about the association between the script templates and the network maps. The apply list in Bolder needs an NMS to generate this information, whereas the admin list in the present invention does not require an NMS to generate the information.

Claim 2 has been amended in light of the amendments made to claim 1. In light of the amendments made to independent claim 1, dependent claim 2 is therefore neither anticipated nor rendered obvious in view of Bolder and further in view of Murray.

To more clearly define and distinctly claim the present invention from the cited art, and to particularly point out and distinctly claim the subject matter, independent claim 4 has been amended.

As set forth in the preamble of independent claim 4, administrative processes are executed in an automated manner in a local or a networked environment. The administrative processes include administrative tasks that further include administrative commands. Support for these recitations is found in the present application on page 4, lines 19-22; page 6, lines 2-10; and page 9, lines 1-6.

Claim 4 of the present invention describes a method for automating the execution of the administrative processes *to perform administration*. In contrast, Murray discloses a method for automating the CLI command entry task for the purpose of configuring a data network entity. Murray does not disclose automating the execution of the CLI command with the purpose of performing administration. Therefore, the process for automating the execution of the administrative processes in the present invention is not the same as automating the CLI command entry task, as disclosed in Murray.

The clauses a, b, c and d of claim 4 have been amended in the similar manner as claim 1 has been amended. Therefore, the clauses a, b, c and d of claim 4 follow the same arguments as presented above in conjunction with claim 1. Clause (e) and Clause (f) of independent claim 4 recite the steps of selecting a first set of admin lists, based on

a *selected administrative process* that needs to be executed. Further, a profile is selected from among the plurality of profiles that are contained in the selected first set of admin lists. Support for these recitations is found in the present application on page 4, lines 20-24; and page 9, lines 13-22.

In contrast, Bolder discloses a script template that is selected for the purpose of configuring the managed entity. Further, the admin list in the present invention is selected, based on the administrative process that needs to be executed for the purpose of performing administration.

Clause (g) of independent claim 4 recites the steps of processing the selected profile. The selected profile is parsed to generate XML parser events. The XML parser events are executed by using administered components. The administered components include at least one of the local system devices, software programs, and system commands. The administered components are used to execute the XML parser events. Further, the administered components generate messages when the XML parser events are executed. The messages are generated to provide meta-data about the XML parser events. The profiles are updated by appending the messages to the selected profile. Furthermore, the processing machine decides whether the updated profile needs to be processed again. The decision is made by the processing machine, based on the generated messages. The updated profile is selected if the profile needs to be processed again. The steps are then repeated for processing the selected profile. If the profile is not required to be processed again, the next profile is selected from the admin lists, based on the administrative tasks to be performed. The administrative tasks are performed to execute the administrative processes. Finally, the execution of the administrative processes is automated by the automated processing of the profiles that define the administrative tasks. Support for these recitations is found in the present application on page 4, lines 25-29; page 5, lines 1-2; page 11, lines 19-29; page 12, lines 1-12; page 13, lines 13-16; and page 15, lines 1-20.

In contrast, Bolder discloses an apply list that is selected for execution with the help of a managed entity configuration module. Further the selected admin list in the

present invention is processed automatically, i.e., the admin list in the present invention does not require any system or module. Therefore, the admin list in the present invention is independent of any system or module, whereas the apply list in Bolder is dependent on the managed entity configuration module. Consequently, the apply list in Bolder is not the same as the admin list described in the present invention.

The events are generated in the present invention by parsing the profiles. The events generated are XML parser events. (Support for this recitation is found in the present application on page 18, lines 21-16), In contrast, Murray discloses the events that are generated by loading grammar files. The events generated in Murray are network events, such as Domain Name System (DNS), Simple Network Management Protocol (SNMP), etc. Therefore, the events, as described in the present invention, are different from the events disclosed in Murray. Moreover, the XML parser events in the present invention are the actual instructions carried out by the administered components to execute the events, whereas the network events disclosed in Murray are not the actual instructions to execute the events but refer to some 'state' of the network. Therefore, the events described in the present invention are different from the events disclosed in Murray.

Claim 4 of the present invention also recites processing of the profile by the processing machines, i.e., the processing of the profile does not require human intervention. In contrast, Bolder discloses the apply list or the script template that require human intervention or data source. Therefore, processing of the profile, as described in the present invention, is completely distinct from the script template, as disclosed in Bolder.

It is respectfully submitted that it is not obvious to one skilled in the art to execute administrative processes automatically in a local or networked environment. Therefore, in light of the above, it is clear that independent claim 4 has steps that are neither anticipated nor rendered obvious in view of Bolder and further in view of Murray. Consequently, reconsideration of independent claim 4 is respectfully submitted.

Claims 5, 7 and 8 have been amended in light of the amendments made to claim 4. In light of the amendments made to independent claim 4, dependent claims 5, 7 and 8 are therefore neither anticipated nor rendered obvious in view of Bolder and further in view of Murray.

Claim 10 is directed to a system embodied on one or more processing machines, has been amended in light of claim 1. Therefore, claim 10, recites the elements to perform the steps of claim 1 that are neither anticipated nor rendered obvious in view of Bolder and further in view of Murray. Consequently, reconsideration of independent claim 10 is respectfully requested.

Claims 11, 12 and 14 have been amended in light of the amendments made to claim 10. Claim 12 has been amended to incorporate formatting changes. Further, claim 14 has been amended to change its dependency from claim 13 to claim 10. In light of the amendments made to independent claim 10, dependent claims 11, 12, and 14 are, therefore, neither anticipated nor rendered obvious in view of Bolder and further in view of Murray.

Claim 15 is directed to a Computer Program Product (CPP) claim, and has been amended in light of independent claim 4. Therefore, claim 15 recites program instructions to perform the steps of claim 4 that are neither anticipated nor rendered obvious in view of Bolder and further in view of Murray. Consequently, reconsideration of independent claim 15 is respectfully requested.

Claims 16 and 17 have been amended in light of the amendments made to claim 15. In light of the amendments made to independent claim 15, dependent claims 16 and 17 are, therefore, neither anticipated nor rendered obvious in view of Bolder and further in view of Murray.

Claim 19 is directed to a system embodied on one or more processing machines, and has been amended in light of independent claim 4. Therefore, claim 19 recites elements to perform steps that are neither anticipated nor rendered obvious in view of

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Bolder and further in view of Murray. Consequently, reconsideration of independent claim 19 is respectfully requested.

Claim 20 has been amended in light of the amendments made to claim 19. In light of the amendments made to independent claim 19, dependent claim 20 is therefore neither anticipated nor rendered obvious in view of Bolder and further in view of Murray.

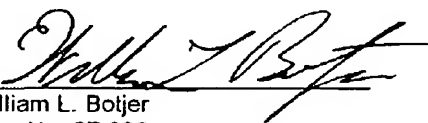
Conclusion

In light of the above, and in view of the amendments made to independent claims 1, 4, 10, 15 and 19, dependent claims 2, 5, 7-8, 11-12, 14, 16-17 and 20, the present invention, as described in the present claims, is clearly patentable over Bolder and Murray. It is respectfully submitted that the amendments made to independent claims 1, 4, 10, 15 and 19 are sufficient to remove the rejections under section 35 U.S.C. 112, 35 U.S.C. 101 and 35 U.S.C. 103(a).

The present claims have been amended to highlight the distinctions of the present invention over the cited art and it is respectfully submitted that the claims are now clearly patentable over the art of record, and notice to that effect is earnestly solicited, if the examiner has any questions regarding this matter, the examiner is requested to telephone the applicant's attorney at the numbers listed below prior to issuing a further action.

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